





Created: 3 weeks, 6 days after earthquake

PAGER

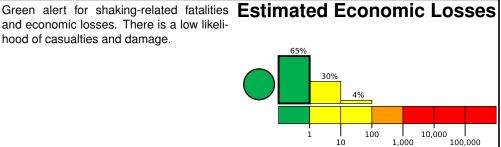
Version 5

M 5.8, 223 km WNW of Pangai, Tonga

Origin Time: 2021-09-09 04:59:43 UTC (Wed 16:59:43 local) Location: 19.2286° S 176.3967° W Depth: 10.0 km

Estimated Fatalities 10,000 1,000

and economic losses. There is a low likelihood of casualties and damage.



Estimated Population Exposed to Earthquake Shaking

							<u> </u>			
	POPULATION E (k=x1000)	_*	5k*	0	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	11-111	IV	V	VI	VII	VIII	IX	X+
PERCEIVE	SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
DAMAGE	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

^{*}Estimated exposure only includes population within the map area.

Population Exposure





Overall, the population in this region resides in structures that are highly vulnerable to earthquake shaking, though some resistant structures exist. The predominant vulnerable building types are unknown/miscellaneous types and wood construction.

Historical Earthquakes

Date		Dist.	Mag.	Max	Shaking	
	(UTC)	(km)		MMI(#)	Deaths	
	1980-03-31	312	6.1	V(4k)	_	
	1983-03-21	280	6.7	VII(53k)	_	
	2006-05-03	261	8.0	VIII(7k)	0	

Selected City Exposure

from GeoNames.org

100

ММІ	Citv	Population
	Oity	i opaiation

bold cities appear on map.

(k = x1000)